CLEAR BALLOT GROUP

Response to: Cuyahoga County Board of Elections

Voting Tabulation Equipment Survey

11/9/2018

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1. Provide a brief company history including the main business of your company, the length of time in business and number of employees.

Clear Ballot was founded in 2009 with the mission to provide technology to empower our customers to improve democracy. Clear Ballot entered the elections industry as an audit provider and has expanded to vote-by-mail and in-person elections. We have attracted talent from technological firms across the country as well as individuals with key elections experience. Clear Ballot currently employs approximately 50 people.

Since our inception, we have been working with jurisdictions across the country to provide independent, automated audits. Following feedback and encouragement from our audit customers, Clear Ballot developed a paper-based voting system comprised of reliable off the shelf components to create an easy to use and maintain voting system.
Our audit technology is the foundation of our current tabulation software and remains only solution to scan and analyze high resolution ballot images, allowing elections officials to visualize voter intent.

This aids officials in understanding how votes were tabulated and gives the opportunity to implement more efficient processes to improve their elections. Overall, our solutions give jurisdictions more confidence in their election results.
Clear Ballot expanded rapidly to the Northwest, where over 60% of Oregon and Washington now uses the ClearVote system. Clear Ballot has now expanded its in-person voting system to Wisconsin and Ohio. Ballot has also conducted audits for jurisdictions in New York, Florida, and Vermont. As of 2018, Clear Ballot remains the first and only vendor to conduct a 100% statewide audit and took place in Maryland, where every election since the 2016 General Election has been fully audited.

2. Provide a current list of customers who are using or have previously used your Tabulation system.

- **Contact name, email and phone number**
- **Jurisdiction size**
- **Date of implementation**
- **Product(s) and quantities purchased**
- **What software and firmware versions are currently being used**

See Vendor Customer List Template containing examples of customers in different states, in varying county sizes. Additional customer contact information can be provided if needed.

3. Based on the Cuyahoga County data attached to the email, provide a cost estimative for your paper based tabulation system.

- **At least two (2) precinct ballot scanners per polling location**
- **One (1) ADA marking device per location**
- **High Speed Ballot Scanners**
- **Daily scan period typically six (6) hours per day over a seventeen (17) day period**
- **Equipment Reserves (Backup Equipment) for election day**
- **Training Equipment**
  - **NOTE: Approximately 5000 workers attend an election training session during a county-wide election.**

See Attachment #1, Pricing Quote.

4. Provide a detailed description of hardware and network product(s) listed in the estimate provided. Please include:

- **All relevant information, including physical descriptions, model numbers, and part numbers, concerning components such as, but not limited to, laptops, tablet computers, printers, cables, connectors, servers, internet connectivity, precinct ballot scanners, high-speed ballot scanners, ADA equipment, etc.**
- **Whether a component is proprietary to the Vendor or whether the component is a commercial off-the-shelf product.**
- **What is the capacity of all precinct ballot scanners? How are they stored/managed?**
- **Are the precinct based scanners programmable for multiple precincts?**
- **Specifically identify precinct scanner ballot box options.**

See Attachment #2, Hardware and Network Products.

5. List any additional recommended hardware or software which is not required as part of the tabulation system.

There is no additional recommended hardware or software that isn't provided in the original system purchase.

6. What is the throughput for each type of ballot scanner? Include the details for:

- **All ballots sizes available**
- **Flat v. Folded ballots**
  - **NOTE: Our absentee ballots are folded three times prior to being sent out to the voters.**

The table below presents the size range for all ballot sizes acceptable within each ClearVote component.

ClearVote Component	Size Range
ClearDesign	8.5”x 5” to 8.5”x 22”
ClearCount	8.5”x 5” to 8.5”x 22”
ClearCast	8.5”x 5” to 8.5”x 22”
ClearAccess	8.5”x 5” to 8.5”x 18”

The table below presents the average throughput of folded and unfolded ballots for the Fujitsu fi-6800 per hour, by size of card.

Card Size (inches)	Unfolded	Folded
8.5 x 5	7,900	7,085
8.5 x 11 (landscape)	5,500	5,000
8.5 x 11 (portrait)	5,000	4,500
8.5 x 14	4,150	3,730
8.5 x 17	3,350	3,020
8.5 x 22	2,640	2,380

The table below presents the average throughput of folded and unfolded ballots for the Fujitsu fi-6400 per hour, by size of card.

Card Size (inches)	Unfolded	Folded
8.5 x 5	6,000	5,500
8.5 x 11 (landscape)	3,620	3,100
8.5 x 11 (portrait)	3,100	2,600
8.5 x 14	2,930	2,450
8.5 x 17	2,450	1,900
8.5 x 22	2,240	1,740

7. Does the high-speed ballot scanner(s) have the ability to sort ballots as they are being scanned?

- **Write-ins, Remakes, Blank Ballots, etc.**

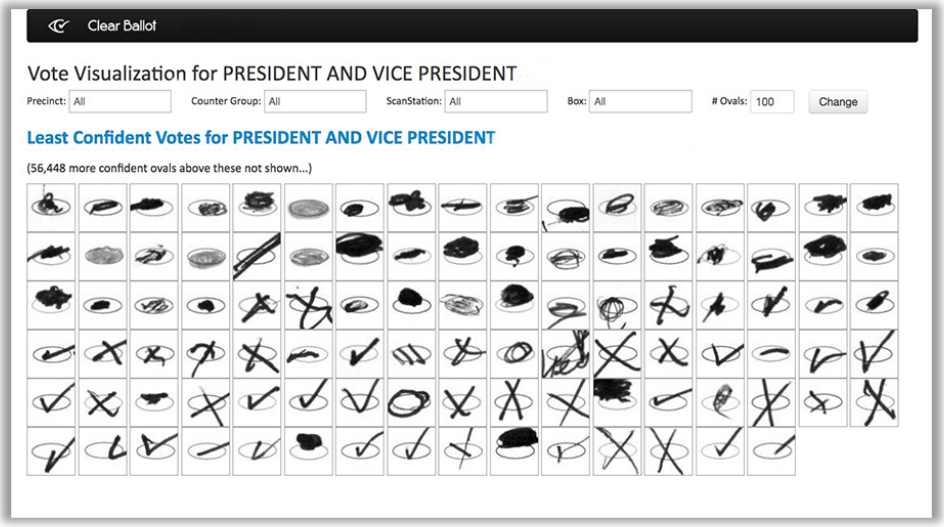
Yes, the ClearCount tabulation system digitally sorts all ballot images automatically as they are scanned. This captures and records undervotes, overvotes, write-ins, unreadable ballots and blank ballots. These can be sorted and displayed visually for digital adjudication. Physical sorting is not necessary with the ClearVote System. This ensures that we achieve maximum scanner throughput.

During tabulation, the ClearCount software classifies each vote target on each ballot as one of the following:

- A vote, if the voter makes a valid vote for a candidate.
- An overvote, if the voter selected more candidates than the vote rule allows.
- An undervote, if the voter selected fewer candidates than the vote rule allows and the candidate was not selected.
- A non-vote, when the voter casts a vote for another candidate. Non-votes are often reviewed in close contests for uncaptured intent. When voters do not follow ballot marking instructions, legacy voting systems ignore marks that are not compliant to marking rules. In very close contests, ClearCount brings instant visibility to any marks made within a contest field, bringing transparency where none existed with other systems.

By clicking a voter's mark, which is included in the report, officials can examine the ballot and adjudicate, if necessary.

The report below shows the Vote Visualization report for a single contest. A similar report can be generated for the entire election.



8. Do the ballot scanner(s) have the ability to save ballot images? If so, what is the capacity, methodology for saving images and how long does the import/export of these images take considering a county of Cuyahoga's size?

All ballot images are saved as they are scanned to ensure absolute transparency and auditability without slowing down the tabulation process. A 200 DPI greyscale image of the front and back of every ballot is taken upon tabulation.
The ClearCast precinct tabulator saves all scanned ballot images in duplicate on redundant 32GB USB sticks. Ballot images are transferred from USB drives to the ScanServer. The system consistently uploads 1000 images per minute at a consistent rate can be uploaded per minute.
In ClearCount, our central count system, ballot images are saved automatically on the ClearCount ScanServer as they are scanned.

9. What is the expected life of all equipment?
- **Battery life**
- **Hardware (each piece of equipment)**

The battery life of all ClearVote equipment is 5 years. All offered hardware has an expected life of 10+ years.

10. What happens in the event of total loss of power? Is the data saved?

In the event of a total loss of power, no data is lost.

11. What type of ballot stock is required for use with your system. What size options are available?

The tables below present the recommended ballot stock options, as well as the available size options for each ClearVote component.

Paper Type	Weight Range
Cover Stock	60 lb. to 90 lb.
Index Stock	65 lb. to 90 lb.
Bond Ledger	32 lb. to 53 lb.

ClearVote component	Size Range
ClearDesign	8.5"x 5" to 8.5"x 22"
ClearCount	8.5"x 5" to 8.5"x 22"
ClearCast	8.5"x 5" to 8.5"x 22"
ClearAccess	8.5"x 5" to 8.5"x 18"

12. Describe the different levels/types of technical support provided during the initial implementation and for each election moving forward?

Clear Ballot will provide live help desk support to Cuyahoga County during the hours set forth in the agreement with the County. Support is available by phone, email, and web. Our call tracking system alerts support personnel upon receipt of a support case received by email or web. This highly effective, modern method ensures timely response to the support requests. Self-service support is available 24/7, we post all manuals, documentation, knowledgebase, and training videos on our support portal.

During implementation and during the first election, the Customer Success team will be on-site and in person in Cuyahoga. The Customer Success team provides tier 1 support in person and the Clear Ballot engineering team supports the success team remotely, effectively providing Cuyahoga with tier 2 and tier 3 support.

Following the implementation and for all subsequent elections, the Customer Success and Engineering teams provide remote support by phone, web and email, with extended hours of operation on election days. On-site support for subsequent elections is available and billable at our standard rates.

13. Do you have a standard implementation process or a list of tasks that must be completed during the implementation phases, who is responsible for those tasks and how long each task is expected to take in a county of our size?

- **Mock elections/Pilot projects**
- **Resources available to be devoted to this process**
- **How many pieces of equipment would be provided for either process?**

Clear Ballot's implementation process will be individually tailored for Cuyahoga County, while retaining a series of standard procedures used in all implementations. On day one, Cuyahoga County will receive one of Clear Ballot's experienced project managers. Clear Ballot's project managers are part of our Customer Success Team and average over 15 years of election experience, including large county and statewide precinct implementations.

The project manager will be joined by Clear Ballot field support engineers (FSE), a product integration lead, and experienced training specialists. The FSEs will inventory equipment, setup hardware, configure software, and complete quality assurance checklists for each system component. Clear Ballot's product integration lead will work closely with Cuyahoga County election and IT staff to integrate ClearVote into the existing operations and platforms.

A Project Team Kickoff will be the first part of the implementation, where your Clear Ballot project manager will customize our standard project implementation plan to meet Cuyahoga's needs. The plan will include Equipment Inventory and Delivery, Hardware and Software

Installation, Final Acceptance Testing, Hardware and Software Training, Mock Election, and First Election Day Support.

Cuyahoga team members are responsible for attending regularly scheduled Project Team meetings, conducting Final Acceptance Testing, and learning the system through our hands-on training courses led by Clear Ballot training specialists. Clear Ballot encourages Cuyahoga County to invite IT personnel to familiarize themselves with the assembly and configuration process.

Clear Ballot will estimate and collaborate with Cuyahoga County to determine an exact timeline and scale the number of FSEs to fit Cuyahoga's schedule. A standard team of Clear Ballot FSEs can fully unpack, assemble, and configure the proposed 790 ClearCast Precinct Scanners, and 395 ClearAccess Accessible ballot marking devices in three (3) business weeks. This also includes the full implementation of eight (8) ClearCount scanners, the installation of servers for the election management systems for ballot layout and reporting software, and any additional accessories. If Cuyahoga needs the implementation to take less than three (3) business weeks, Clear Ballot will increase the size of the team to accommodate.

The ClearCast units will arrive fully assembled and pre-configured with all software by Clear Ballot prior to implementation. An FSE will unpack, setup, and inspect the units to ensure top quality, before going through final acceptance testing.

The ClearAccess units will require minor assembly and software installation upon arrival. A Clear Ballot FSE will assemble and inspect each unit, and fully install the ClearAccess software. The ClearAccess software can be installed in one (1) hour.

Following successful completion of all checklists for each component in the ClearVote system. Final acceptance testing criteria is defined by Cuyahoga, but typically would take fifteen (15) minutes per unit. and a successful end-to-end system test completed by FSEs, the Cuyahoga team would conduct their Final Acceptance Testing of the installed ClearVote system.

Clear Ballot's training program is hands-on, with classes that are tailored to fit your wide range of users. During the Project Kickoff Phase, Clear Ballot will work with Cuyahoga County to identify the County resources that should attend each of the training programs. Our trainings for the County IT team will begin during the hardware and server configuration phases. The election who run the election management processes will receive in-depth trainings in our ballot design software along with our results consolidation and reporting software which will require approximately five (5) full time days of training. The election staff who prepare the precinct and accessibility units for each election will receive election setup training on our ClearCast and ClearAccess units which will require one (1) day of training. The election staff who scan absentee ballots, will receive a one-day training course on our ClearCount central scanning units. These user specific training programs culminate with an end-to-end training session which will require one (1) full day of training.

Clear Ballot offers two options for poll worker training, a train-the-trainer model and a full-service training program. Clear Ballot will work closely with Cuyahoga to determine which model is preferred or if a mixed approached is best. Both options include training materials customized for Cuyahoga County and easy to use quick guides for opening and closing the polls. Clear Ballot believes that ongoing training is an important part of continued success. While our extensive and tailored training program during the implementation will set the County up for success, we also offer an extensive continuing education program, both remote and in person, which is available to county election officials and poll workers.

Clear Ballot's implementation includes a mock election to test the end-to-end configuration of the ClearVote system. The mock election includes ballot layout in ClearDesign, prepping ClearCast and ClearAccess units with the election data, and the use of poll workers who have gone through Clear Ballot's training program. The duration of a mock election varies based on ballot complexity and number of votes cast.

Clear Ballot knows that no county is identical, and thus your Project Manager will tailor our standard implementation plan to fit the needs of Cuyahoga County. Clear Ballot team members will work closely with Cuyahoga County election staff to properly install and integrate the ClearVote system into your environment within a timeframe that meets Cuyahoga's schedule. Our training program will create a knowledgeable election staff and our support of your team will extend well beyond the first election.

14. Provide a copy of the standard acceptance testing process and procedures for all components of the tabulation system.

See Attachment #3, Standard Acceptance Testing Procedure.

15. Are sample L&A Testing procedures available?

- **Does your system generate a test deck? If so, is it customizable?**
- **Is ballot adjudication available with your system?**

Yes, Clear Ballot has tools to generate automated and customizable test decks. For example, Clear Ballot worked with King County, Washington to build a test deck with the following criteria. The tool also creates a results file to confirm the expected results after scanning.
All ballots can be adjudicated digitally using the ClearCount software.

16. What end user training is available?

- **Train the Trainer, BOE Staff, PEOs**
- **Cost, length (hours per "class"), class size**

Proposed Baseline Training Outline

Clear Ballot has a variety of training opportunities for Board of Election Staff and Precinct Election Officers, as well as "Train the trainer programs" should Cuyahoga County wish to utilize them.

The courses recommended for implementation of Clear Ballot in Cuyahoga County are as follows, though many additional training opportunities are available for various audiences and level of detail.

All training is at a rate of $1,500 per instructor per day.

Audience	Course	Length	Max Students
BOE Staff	ClearDesign	3 days	8
BOE Staff	ClearCount	3 days	8
BOE Staff	ClearCast and ClearAccess	1 day	25
Train the Trainer	ClearCast and ClearAccess	1 day	25
PEOs	ClearCast and ClearAccess	0.5 days	30

17. Can you provide us with training documentation and if your system is purchased will you allow us to use your stock photos and edit your procedural documentation to be tailored for use in Cuyahoga County?

Yes, documentation on each course as well as training guides, videos and sandboxes will be made available upon signing. See below for descriptions of each training course.
Clear Ballot will allow documents to be tailored for use in Cuyahoga County.

ClearVote course descriptions

ClearVote™

Overview of the ClearVote™ System

Overview of ClearVote system architecture, Commercial Off The Shelf (COTS) hardware components and all software components comprising the voting system.

ClearDesign™ and ClearCount™

ClearDesign

Ballot preparation, including creating an election template designing and laying out ballots, formatting, proofing ballot styles, printing ballots; and exporting ballot PDF proofs, ballot definition files (BDFs) and accessible definition files (ADFs).

ClearCount™

Overview of system, election and user administration, election reports, election activity logs, and ClearCount system log. Overview of ballot scanning ScanStation operation and maintenance. Topics include initializing ScanStation, ballot scanning, resolving ballot jams, scanner routine cleaning, and consumable replacement.

ClearAccess™ and ClearCast™

ClearAccess and ClearCast: Operation and Maintenance

Overview of requirements for equipment configuration and maintenance. Topics include warehouse logistics, handling, storage, how to clean and prepare systems for elections, equipment staging procedures for delivery to polls; basic maintenance and post-election procedures. The course also covers replacing consumables, preventive maintenance, system diagnostics and firmware upgrade. This course is designed to train your IT team members how to properly prepare and deploy to your voting locations ahead of elections as well as collecting and storing devices in between elections.

ClearAccess and ClearCast: How These Are Used During Elections

Overview of how to set up and use the ClearAccess and ClearCast units at the polls. Course covers the operation of precinct equipment, opening and closing of polls, issuing ballots, using audio headphones, sip and puff, keypad, and touchscreen for casting ballots. This course is designed to train the trainers on your team. Those trainers would then train poll workers at each of your voting locations.

18. Provide a list of known anomalies with the system (technical bulletins released) in all versions of the hardware, firmware, and software of certified product.

- **Include details of any material defects or failures of any part of the system along with the election jurisdiction in which the defect or failure was discovered, the nature of the defect or failure, how it was discovered and resolved.**

There have been no anomalies in any of our implementations. We consider an anomaly to be when the operational results of the election have been called in to question or malfunctions lead to widespread disruption for election workers and voters alike.

19. Is your system compatible with the CCBOE's current voter registration system and Electronic Pollbook systems and has this compatibility been tested and/or used in other election jurisdictions?

- **Can the system to be updated to be compatible with future voter registration systems the CCBOE may obtain?**
- **Describe the middleware system that is used in between the tabulation system DIMS/Precinct Central (Tenex).**
- **Is it compatible with the certified Remote Marking Systems? Cuyahoga uses Democracy Live specifically**

Clear Ballot has communicated with Tenex, and both parties are currently in the process of developing a way for Tenex to print barcodes that are acceptable in ClearAccess. Clear Ballot will also provide necessary support to integrate our ballot on demand capabilities with the Tenex pollbook should the County wish to pursue that option.
Clear Ballot will work with any voter registration systems the County may obtain to ensure compatibility.
Clear Ballot can add DIMS support to our ballot import functionality using the ClearDesign software.
Clear Ballot supports 70+ ballot proofing reports which Democracy Live can use to import ballot data.

20. Does the system have the ability to be re-configured and customized to accommodate needs that change or evolve overtime, especially those required by new laws?

Yes, ClearDesign allows for Clear Ballot customers to independently customize and configure the system's software to fit their needs. Clear Ballot also offers software support services where any necessary changes can be completed by a Clear Ballot technician.
All hardware upgrades and modifications can be completed by Clear Ballot to meet the County's needs.

21. Do you have a standard maintenance and upgrade schedule for new system releases and patches, including any additional costs associated with maintenance and upgrades or equipment repairs?

Clear Ballot software updates are included in the cost of your annual software maintenance agreement. We typically certify one major and one minor release annually. When to deploy each update will be determined by a mutual agreement between Clear Ballot and Cuyahoga County. The County can choose to upgrade their software themselves, or they can hire Clear Ballot Customer Success to perform the upgrade for them at standard billable rates.

22. Provide details of the Audit logs generated by each part of your system.

- **Are all user actions logged?**
- **Are the audit logs unencrypted and able to be printed and exported?**
- **What is the default format?**

All user activity on the server, including actions that may be indicative of system tampering such as failed logon attempts, is logged. The log files are appended and are never modified.
The ClearCount system maintains two log files. The system log records all activity on the voting equipment, that is, login attempts, activation/de-activation, the occurrence and the resolution of errors, power failures, and power restorations. The election log records all election-related events, for example, uploading ballot images from individual ScanStations, adjudication of individual ballots, and removal of ballot images and information. Both logs are unencrypted and can be printed and exported as a CSV file for analysis.
All audit logs are viewable in a browser interface from a computer.

23. Briefly describe all results reports the system can generate and provide sample copies of such reports.

- **Can customized reports be designed and will our staff have the ability to customize without vendor involvement?**
- **Are the reports searchable or available to be exported into other document formats?**
- **Can the reports easily be exported for web viewing?**
- **What is the standard/default format used?**

Users of the Clear Ballot ClearCount software can independently create fully customizable election specific reports that are exportable on three standard formats:

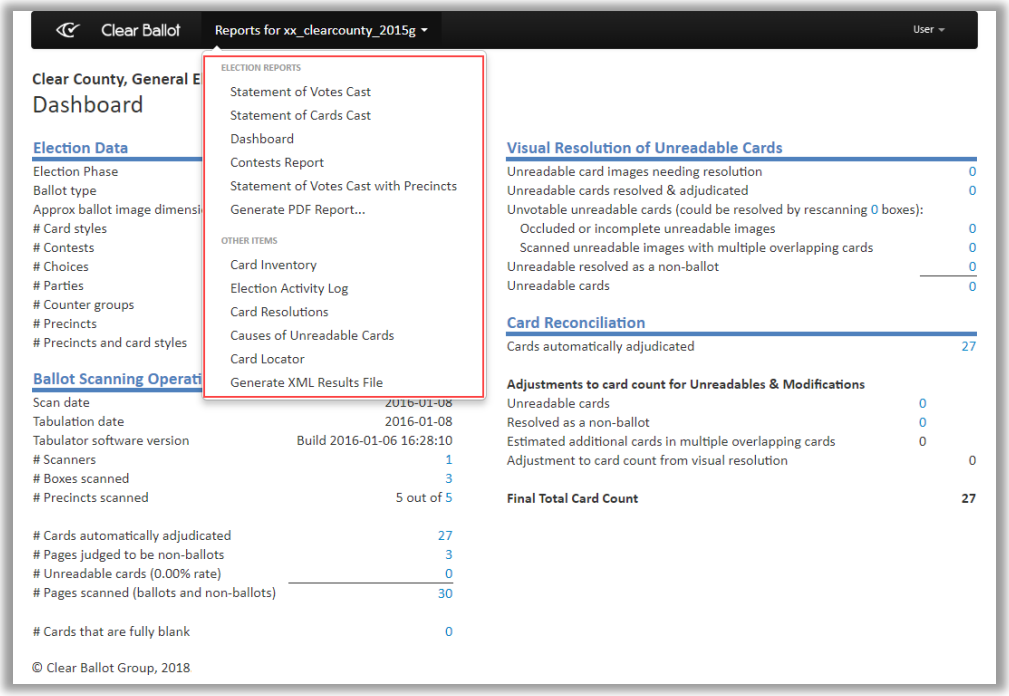
- Web reports – Operational and results reports that are viewed via browser windows, and can be copied, saved and printed
- PDF reports – Fully customizable results reports that viewable and downloadable as PDF files
- Exported reports – Reports that are only viewable after downloading

Users will be able to filter data, select columns to display, and sort the data to meet County reporting needs. All reports are read-only.

For each election, ClearCount displays a Dashboard that summarizes key statistics about the election operations.

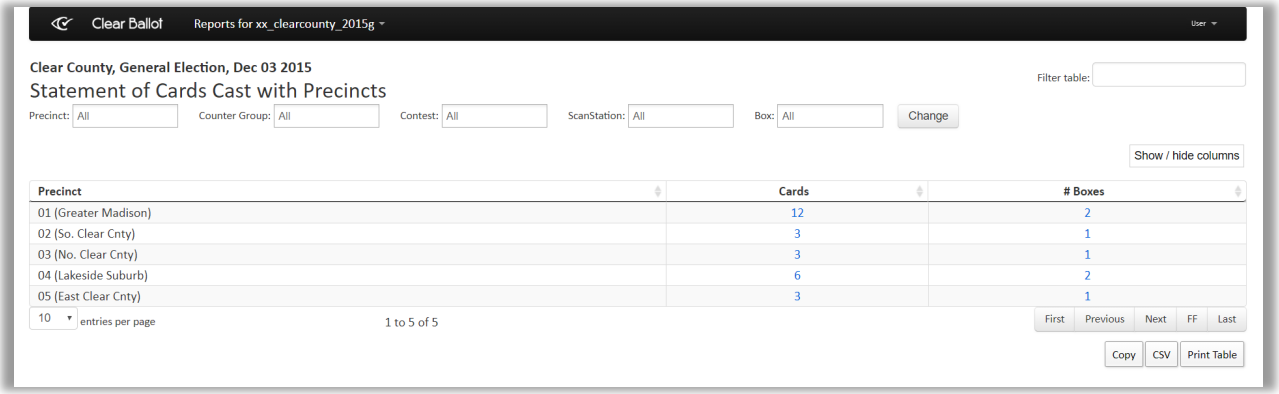
The Dashboard offers a drop-down menu for accessing several election reports.

Below is a sample of our options, we also offer the ability to create an XML export with one click.

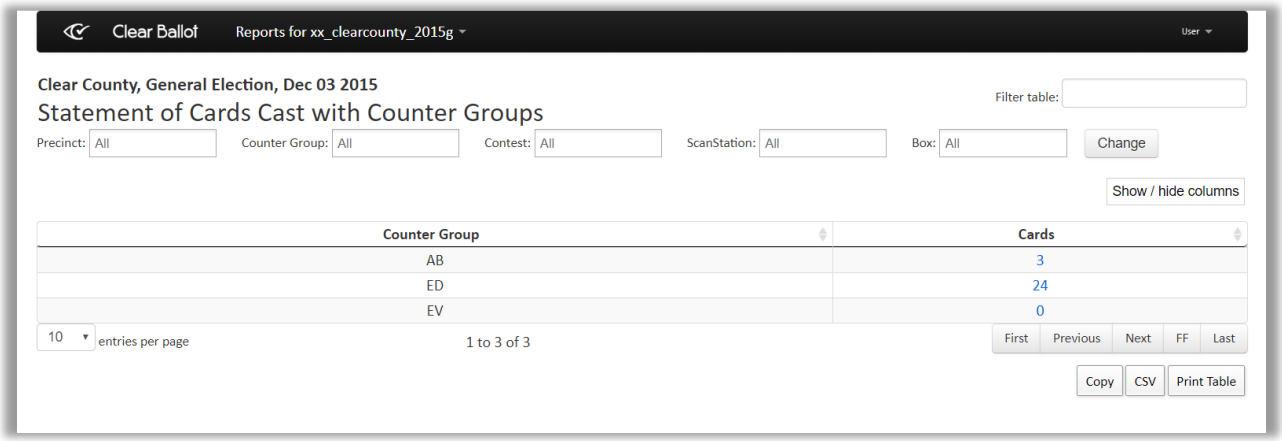


Users can filter the fields by the selected filter options. Filter options include, but are not limited to:

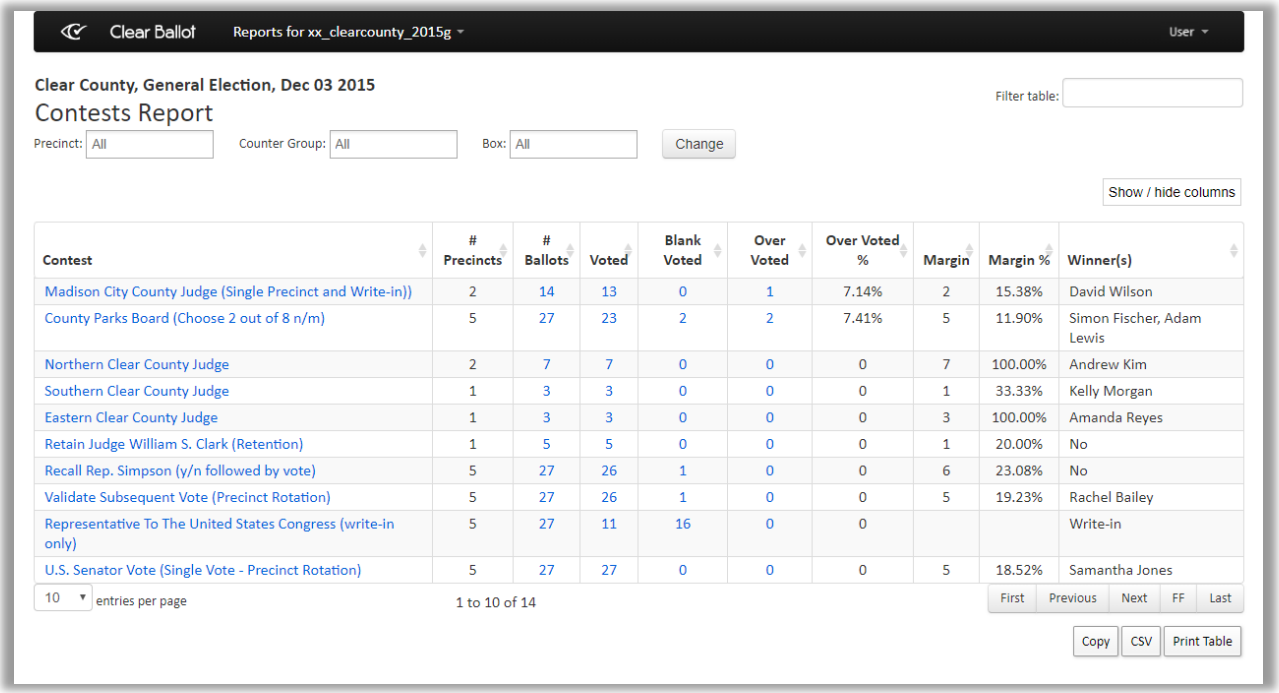
Precinct



Counter Group



Contest



Clear Ballot | Reports for xx_clearcounty_2015g | User

Clear County, General Election, Dec 03 2015

Contests Report

Filter table:

Precinct: All | Counter Group: All | Box: All | Change

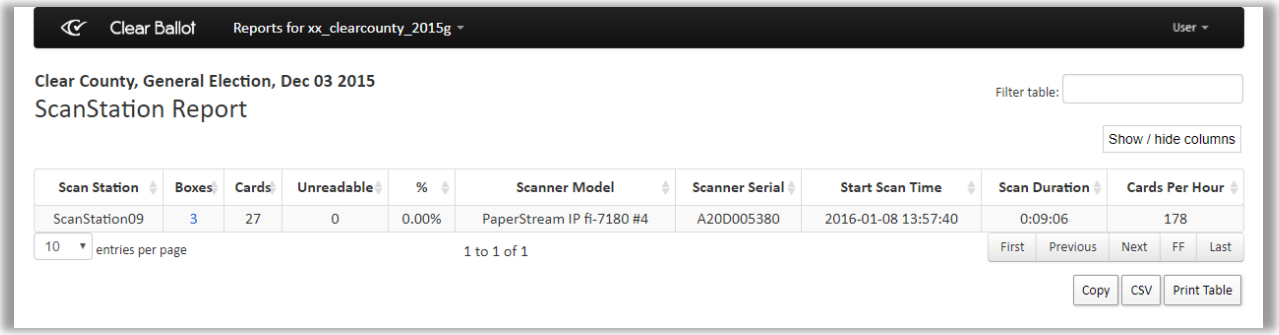
Show / hide columns

Contest	# Precincts	# Ballots	Voted	Blank Voted	Over Voted	Over Voted %	Margin	Margin %	Winner(s)
Madison City County Judge (Single Precinct and Write-in))	2	14	13	0	1	7.14%	2	15.38%	David Wilson
County Parks Board (Choose 2 out of 8 n/m)	5	27	23	2	2	7.41%	5	11.90%	Simon Fischer, Adam Lewis
Northern Clear County Judge	2	7	7	0	0	0	7	100.00%	Andrew Kim
Southern Clear County Judge	1	3	3	0	0	0	1	33.33%	Kelly Morgan
Eastern Clear County Judge	1	3	3	0	0	0	3	100.00%	Amanda Reyes
Retain Judge William S. Clark (Retention)	1	5	5	0	0	0	1	20.00%	No
Recall Rep. Simpson (y/n followed by vote)	5	27	26	1	0	0	6	23.08%	No
Validate Subsequent Vote (Precinct Rotation)	5	27	26	1	0	0	5	19.23%	Rachel Bailey
Representative To The United States Congress (write-in only)	5	27	11	16	0	0			Write-in
U.S. Senator Vote (Single Vote - Precinct Rotation)	5	27	27	0	0	0	5	18.52%	Samantha Jones

10 entries per page | 1 to 10 of 14 | First | Previous | Next | FF | Last

Copy | CSV | Print Table

ScanStation



Clear Ballot | Reports for xx_clearcounty_2015g | User

Clear County, General Election, Dec 03 2015

ScanStation Report

Filter table:

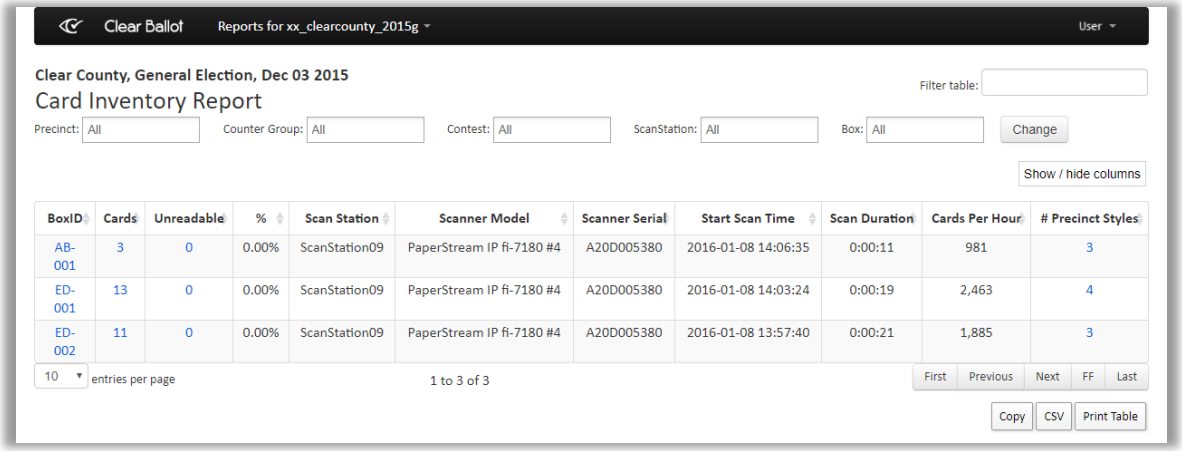
Show / hide columns

Scan Station	Boxes	Cards	Unreadable	%	Scanner Model	Scanner Serial	Start Scan Time	Scan Duration	Cards Per Hour
ScanStation09	3	27	0	0.00%	PaperStream IP fi-7180 #4	A20D005380	2016-01-08 13:57:40	0:09:06	178

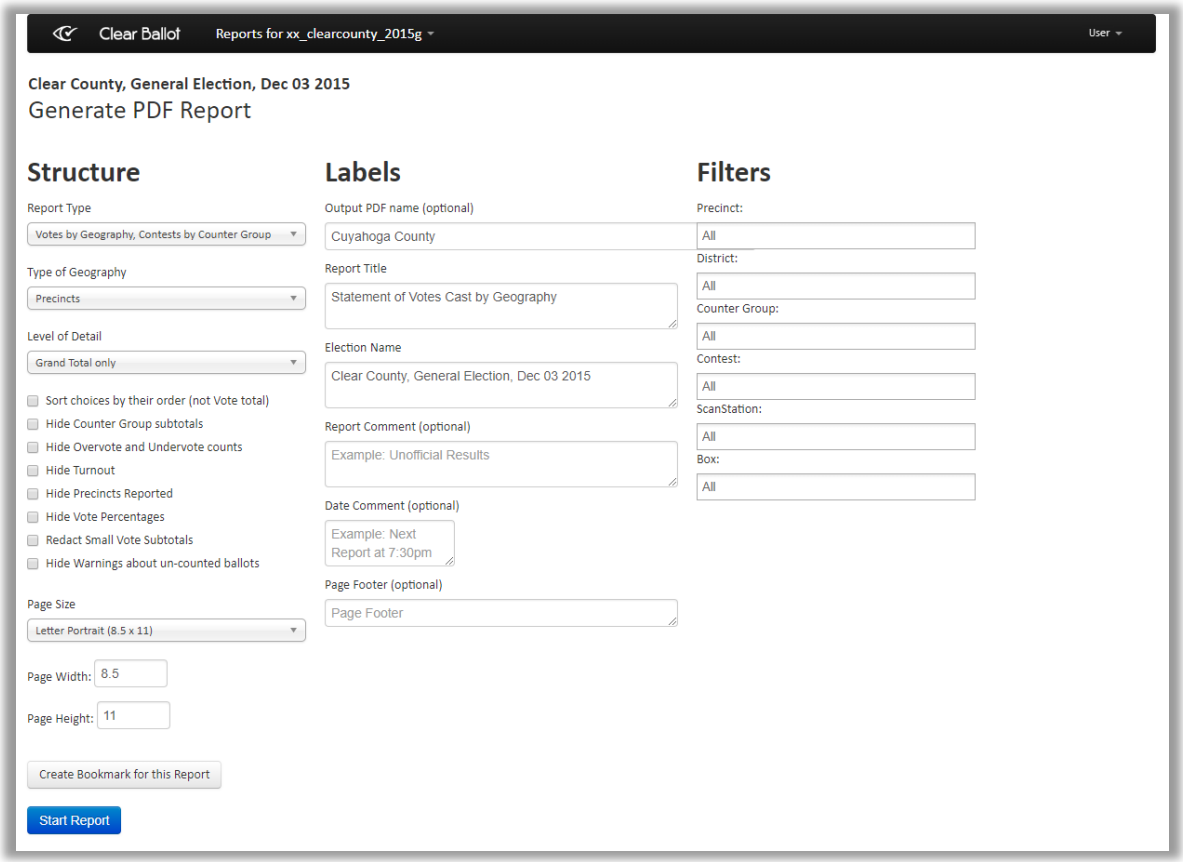
10 entries per page | 1 to 1 of 1 | First | Previous | Next | FF | Last

Copy | CSV | Print Table

Card Inventory



Generate a PDF report



The default selection for all filtering options is **All**, except when they are preselected to show a specific set of data. All ClearCount reports can be shared with stakeholders in an election as the tabulation process progresses. ClearCount provides users with several reports for communicating election data. Report data is stored on the ScanServer, but users can access all reports via an election administration station.

24. Do you provide printing services for a county of our size?

Clear Ballot provides enormous flexibility when it comes to printing ballots. Clear Ballot works with print vendors and allows counties to choose any print vendor they want. We require a quick and easy certification process for printers to make sure the ballots they print will scan accurately. The ClearVote system supports the widest range of paper stocks. A variety of commercially available papers, in different weights, has been tested and used successfully with the ClearVote system.

CLEAR BALLOT GROUP

Response to: Cuyahoga County Board of Elections

Attachment #1, Pricing Quote

To the Cuyahoga County Board of Elections,

First and foremost, thank you for your interest in Clear Ballot and the ClearVote system. It is our pleasure to present you with this quote for an entire ClearVote system deployment based on the terms submitted to the Ohio Secretary of State's office and the State Department of Administrative Services. It is Clear Ballot's sincerest hope that this pricing demonstrates Cuyahoga County can secure its next generation voting system. It is also our intent to work closely with you to tailor a voting system to any unique requests you may have, and to take it through state certification if necessary.

Item:	Quantity	Unit Price	Price
ClearDesign Ballot Design Software	1	$ 275,000	$ 275,000
ClearCount Tabulation Software	1	$ 275,000	$ 275,000
ClearCast Precinct Tabulation Scanner - 2 Scanners per Polling Location	690	$ 7,200	$ 4,968,000
ClearAccess ADA Voting Device - 1 ADA Marking Device per Polling Location	345	$ 4,600	$ 1,587,000
CC 6800 Central Scanner	8	$ 60,000	$ 480,000
PrintNow Test-Deck / Absentee Ballot System	1	$ 20,000	$ 20,000
PrintNow Kiosk / Check-in Ballot System ($4k for each additional)	1	$ 10,000	$ 10,000
Equipment Reserves including Training Equipment			
ClearCast Precinct Tabulation Scanner	100	$ 7,200	$ 720,000
ClearAccess ADA Voting Device	50	$ 4,600	$ 230,000
Upfront Total Before Discount			$ 8,565,000
Discount: 4%			$ (342,600)
Upfront Total			**$ 8,222,400**
Ongoing Software Licensing, Warranty & Support (5 years)			
ClearCount Software Licensing Fee Yrs 6-10	1	$ 105,000	$ 105,000
ClearDesign Software Licensing Fee Yrs 6-10	1	$ 105,000	$ 105,000
ClearCast Licensing & Support Yrs 6-10	690	$ 1,100	$ 759,000
ClearAccess Licensing & Support Yrs 6-10	345	$ 950	$ 327,750
ClearCast Standard Hardware Warranty Yrs 6-10	690	$ 1,125	$ 776,250
ClearAccess Standard Hardware Warranty Yrs 6-10	345	$ 750	$ 258,750
CC 6800 Warranty & Support Yrs 6-10	8	$ 20,000	$ 160,000
CC 6800 Standard Hardware Warranty	8	$ 22,500	$ 180,000
PrintNow Test-Deck / Absentee Ballot Licensing & Support Yrs 6-10	1	$ 7,000	$ 7,000
PrintNow Kiosk / Check-in Ballot System Licensing & Support Yrs 6-10	1	$ 4,000	$ 4,000

Please do not hesitate to contact me directly at any of the methods listed below if you have any questions or concerns. I look forward to working with you through this process and demonstrating that Clear Ballot is the partner Cuyahoga County can trust to best serve its voters and staff into the future.

Regards,
Bob Hoyt – President, (508) 330-4361 or Bob.Hoyt@ClearBallot.com.

ClearCast Includes:

- ClearCast Software
- Case & Table
- 2 Collapsible Ballot Bags
- Initial Consumables Necessary for Device Operation – 4hr Battery Backup, Thermal Paper Roll, 2 USB 3.0 Drives.
- 5 Years Warranty and Support
- Installation, Testing, Pre-election Programming, Ballot Tabulation Support
- Setup of Equipment at Board of Elections' Office
- Logic and Accuracy Testing Support Prior to First Election
- Three days Onsite Support During First Election with the ClearVote System

Clear Access - Includes:

- ClearAccess Software
- Touch-Screen Monitor (Based on Option Preference)
- Printer (Based on Option Preference)
- Case & Table
- Peripherals – Headphones, Accessible Keypad, Kiosk Mouse, USB Cables
- 5 Years Warranty, Support, and Maintenance of Equipment and Software
- Electronic Documentation and Training Materials
- Installation, Testing, Pre-election Programming, Ballot Tabulation Support
- Setup of Equipment at Board of Elections' Office
- Logic and Accuracy Testing Support Prior to First Election

Clear Ballot Central Count System Includes:

- 1 ClearCount Central Ballot Scanner (Based on Option Preference)
- Additional System Components – ScanStation.
- Laptop Stand (Options 2 and 3) Ethernet Cables
- 5 Years Warranty, Support, and Maintenance of Equipment and Software
- Installation, Testing, Pre-election Programming, Ballot Tabulation Support
- Electronic Documentation and Training Materials
- Setup of Equipment at Board of Elections' Office
- Logic and Accuracy Testing Support Prior to First Election

PrintNow System Includes:

- An unlimited use software license for the Clear Ballot Ballot PrintNow System
- Printer, Tablet, Tablet Stand, Case, and all cables necessary for device operation • 5 Years Technical Support
- Electronic Documentation and Training Materials

ClearCount Software Includes:

- An unlimited use software license for the ClearCount Tabulation System.
- Additional System Components: ClearCount Server & Admin Station
- 5 Years Technical Support
- Electronic Documentation and Training Materials

ClearDesign Ballot Layout and Design Software - Includes:

- An unlimited use software license for the ClearDesign Ballot Layout and Design System.
- Additional System Components: ClearDesign Server, AdminStation
- 5 Years Technical Support
- Electronic Documentation and Training Materials

CLEAR BALLOT GROUP

Response to: Cuyahoga County Board of Elections

Attachment #2, Hardware and Network Products

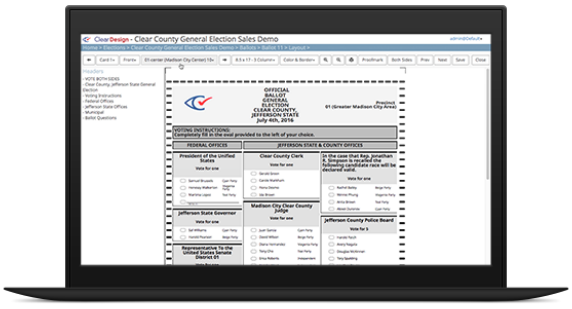
Hardware and Network Products

ClearDesign

Ballot Design and Layout

Ballot Creation

Election department staff can design ballots quickly and easily using ClearDesign. Our software architecture streamlines ballot proofing by providing an intuitive drag-and-drop ballot editing tool and eliminating redundant steps in the ballot creation process. ClearDesign gives election officials a solution that makes in-house ballot design simple and fast.



ClearDesign's user interface is built to allow non-technical personnel to become experts on ballot design efficiently. The expansive ballot layout tools include flexible text editing, and dynamic ballot proofing.

ClearDesign Components	Model Number	Proprietary/COTS
Server Options		
ClearDesign Server (Small Option)	Dell, PowerEdge T130	COTS
ClearDesign Server (Large Option)	Dell, PowerEdge T440	COTS
Station Options		
ClearDesign Station (Laptop Option)	Dell, Latitude 5590	COTS
ClearDesign Station (Desktop Option)	Dell, Precision T3620	COTS
Network (Switch 8 port)	Cisco, SG250-08	COTS
Ethernet Cable	Tripp Lite, N201-020-YW	COTS

ClearCast Overview

Precinct Scanner and Tabulator

Quality

ClearCast is the first precinct digital scan voting system to be built with modern software tools, offering election officials an alternative to proprietary equipment that can quickly become obsolete. ClearCast is built with commercially available, modular components that deliver top ballot-processing performance at lower cost. The ease of upgrading or replacing these modular components prevents obsolescence and ensures the system withstands the test of time.

Rather than creating proprietary and expensive hardware, Clear Ballot opted to use existing high-speed, commercial scan engines and Intel's® Next Unit of Computing (NUC). This off-the-shelf mini PC kit allows ballots to be cast and processed in a matter of seconds, leading to shorter lines at the polls and an overall better voting experience. High quality, off-the-shelf components provide optimal throughput for every precinct with 200 DPI grayscale images, the highest quality digital ballot imaging of any voting system on the market today. Our ballot images meet federal records retention requirements.

Ease of Use

ClearCast was designed to be easy to use, from the poll worker set-up to its compact design. Poll worker's jobs are simplified; the device turns on when plugged in, a large HD screen (15.6") with simple commands allows for streamlined set-up, and the compact size of both the machine and ballot bag allow for easy transportation and storage. We also provide a larger ballot box for larger jurisdictions.

ClearCast Security

In today's political environment, the emphasis on providing a secure voting system is critical. Clear Ballot understands this and works every day to ensure your investment in ClearCast shows the stakeholders in your jurisdiction that you place a high priority on the security and integrity of elections. ClearCast has many security features, both on the physical device and in the underlying software, that have been designed to give election officials peace of mind.

Hardware Security Features

- Keyed locks on all poll worker access
- Keyed locks on the maintenance access
- Intel® NUC uses BIOS password to protect settings
- USB sticks are authenticated (images, results, logs) to ensure they have not been tampered with
- USB sticks can be encrypted to prevent unauthorized system access
- Metal enclosure for durability

Programmability

ClearCast Precinct Scanners may be used in precinct or vote center mode, allowing multiple precincts to be scanned on the same unit. In a vote center configuration all sorting will be done digitally saving poll workers from having to separate ballots on election night. The modern software architecture and the use of COTS hardware will allow as many precincts to be tabulated on a single scanner as Cuyahoga County would like.

ClearCast Components

ClearCast Components	Model Number	Proprietary/COTS
Precinct Tabulator		
ClearCast	CCD	Proprietary
Ballot Bag/Box Options		
Small Bag (900 ballot capacity)	CV-1.5-1070	Proprietary
Large Box (2500 ballot capacity)	CV-1.5-1071	Proprietary
Additional Components		
USB Drives	SDCZ73-032G-A46	COTS

ClearCast Dimensions: Height: 14.2”, Width: 16”, Depth: 10”, Screen: 16” X 9.5”, Weight: 32lbs
Battery Backup Capabilities: 4 hours

ClearAccess Overview

Accessible Ballot-Marking Solution

Accessible

ClearAccess is interoperable with the ClearCast and ClearCount tabulators and uses commercially available hardware components for efficiency and cost savings.

User Tested

ClearAccess is the only commercial application of the *Anywhere Ballot*, an EAC funded project focused on developing standards and best practices for elections. The goal was to increase universal accessibility by allowing citizens to cast their votes on the tens of millions of existing accessible devices—COTS PCs, tablets, and smartphones. The result was a highly intuitive ballot marking session supported by a variety of accessible input devices which prints marked ballots. This allows ClearAccess to print tabulatable marked ballots on low-cost COTS printers.

ClearAccess Components

ClearAccess Components	Model Number	Proprietary/COTS
Monitor Options		
ELO Touchscreen Monitor (15” Screen Option)	ESY15E2 - E757464	COTS
ELO Touchscreen Monitor (20” Screen Option)	ESY20X2 - E521522	COTS
Printer		
Oki Data Printer	B432dn	COTS
ADA Devices		
Headphones	108323	COTS
Accessible Keypad	EZ08-222013-NEW	COTS
USB Printer Cable	StarTech USB2HAB6	COTS

Dimensions: Height: 17”, Width: 9”, Depth: 6.5”, Screen Size: 16” X 9.5”, Weight: 4.7lbs

PrintNow

Ballot Printing

PrintNow, gives election officials and pollworkers the ability to print ballots on demand for voters. Our system allows flexibility with ballot printing allowing election officials to print ballots on site at a lower cost than legacy solutions.

PrintNow Components	Model Number	Proprietary/COTS
Ballot Printers		
Printer (Small Option)		COTS
Computers		
Ballot Print Computer		COTS
Barcode Scanner		
Barcode Scanner		COTS

ClearCount

High Speed Scanners and Tabulators

High Speed Scanning

ClearCount is the first new ballot tabulation system developed from the ground up in the United States in the last 10 years. Our software-based system allows jurisdictions to leverage COTS scanners, which provide huge advantages in scalability, support, and longevity of useful life. ClearCount's ballot processing capabilities and easy-to-learn visual software make it an ideal solution for all counties regardless of size.

Commercially available hardware provides significant advantages in the support, flexibility, cost, and the useful lifespan of voting systems. Clear Ballot has worked with hardware manufacturers to evaluate technologies that meet the unique challenges of election officials. We chose several companies based on their superior technology as it applied to elections, their willingness to create custom support tailored for the election official, and the long-term availability of their systems and easy migration paths for upgrades. These strategic partnerships have brought world class capabilities to the election community.

ClearCount Components	Model Number	Proprietary/COTS
Admin Station Options		
Admin Station (Laptop Option)	Dell, Latitude 5590	COTS
Admin Station (Desktop Option)	Dell, Precision T3620	COTS
ScanStation Components		
ScanStation	Dell, Latitude 5590	COTS
Scanner (Ultra-high-speed)	fi-6800	COTS
ScanServer Options		
ScanServer (Small Option)	Dell, PowerEdge T130	COTS
ScanServer (Large Option)	Dell, PowerEdge T440	COTS
Adjudication Station Options		
Adjudication Station (Laptop Option)	Dell, Latitude 5590	COTS
Adjudication Station (Desktop Option)	Dell, Precision T3620	COTS
Network Switch Options		
Network (Switch 8 port)	Cisco, SG250-08	COTS
Network (Switch 26 port)	Cisco, SG250-26-K9-NA	COTS
Ethernet Cable	Tripp Lite, N201-020-YW	COTS

Clear Ballot has been working with election jurisdictions across the country since 2009 to provide independent, automated audits. ClearCount is the only system on the market that is used to read and tabulate ballots from other voting systems in public audits conducted in multiple states.

CLEAR BALLOT GROUP

Response to: Cuyahoga County Board of Elections

Attachment #3, Standard Acceptance Testing Procedure

Standard Acceptance Testing Procedure

Acceptance Test Procedures

This section includes the test procedures for each component of the ClearVote voting system:

- ClearAccess accessible voting system
- ClearCast precinct voting system
- ClearCount tabulation and reporting system
- ClearDesign ballot design and layout system

ClearAccess acceptance test procedure

ClearAccess product version _____

1Software installation date _____

Technician _____

Acceptance Test date _____

Criteria	Yes	No	Information noted	Issues	Resolution
Physical analysis					
ClearAccess station is not damaged.	☐	☐			
All system are components present.	☐	☐			
No damage to system components.	☐	☐			
UPS is functional.	☐	☐			
Diagnostic analysis					
Verify printer model.	☐	☐			
Verify station model.	☐	☐			
Verify station OS.	☐	☐			
Test all I/O devices.	☐	☐			
Verify ClearAccess version.	☐	☐			

Criteria	Yes	No	Information noted	Issues	Resolution
Verify Chrome install.	☐	☐			
Verify Chrome version.	☐	☐			
Verify default Chrome printer.	☐	☐			
Verify model number/ type of input devices.	☐	☐			
Functional analysis					
Verify that ClearAccess system launches when logging in as secure user.	☐	☐			
Verify system hardening.	☐	☐			
Verify Maintenance role.	☐	☐			
Verify Administrator role.	☐	☐			
Verify that Administrator can open election in ADF file on USB stick.	☐	☐			
Verify that Administrator can vote test ballots.	☐	☐			
Verify that voter can vote live ballots.	☐	☐			
Verify polls open.	☐	☐			
Verify ballot printing.	☐	☐			

Criteria	Yes	No	Information noted	Issues	Resolution
Verify touchscreen functionality.	☐	☐			
Verify keypad functionality.	☐	☐			
Verify sip-and-puff functionality.	☐	☐			
Verify that help appears on request.	☐	☐			
Verify that audio reads the complete screen.	☐	☐			
Verify visual ballot suppression.	☐	☐			
Verify the Settings functionality.	☐	☐			
Verify that number of ballots printed increments after each ballot printed.	☐	☐			
Verify that ballots printed value increments after each ballot printed.	☐	☐			
Verify that poll worker can input credentials & reprint ballot.	☐	☐			
Verify that voting session can be canceled.	☐	☐			
Verify that ClearAccess ballots can be scanned and tabulated into ClearCount tabulation system correctly.	☐	☐			

Criteria	Yes	No	Information noted	Issues	Resolution
Verify that election can be closed.	☐	☐			
Verify that logs can be reviewed.	☐	☐			
Verify the shutdown function.	☐	☐			
When equipment passes Acceptance Test, affix label with date of test and initials of tester.	☐	☐			
Ensure that each station is configured with correct media.	☐	☐			
Ensure that Acceptance Test follows test plan.	☐	☐			
Ensure that Acceptance Test is fully documented.	☐	☐			
Confirm that Acceptance Test results are as expected.	☐	☐			
Did all participants sign off?	☐	☐			

Security analysis					
Ports and cables secured with tamper-evident tape.	☐	☐			
Windows passwords are of sufficient complexity.	☐	☐			
Verify that hardened windows user cannot access Windows charms bar or other Windows features with keyboard removed.	☐	☐			

Test summary

	Notes
Physical damage	
Correctable parts	
Functional issues	

Test sign-off

Date _____

Printed name _____

Authorized signature _____

ClearCast acceptance test procedure:

ClearCast software version _____

ClearCast tabulator serial number _____

Technician _____

Acceptance Test date _____

This test consists of two components—verifying the physical integrity of the ClearCast tabulator and verifying that the demo election is capable of performing as expected.

ClearCast™ tabulator

Criteria	Yes	No	Information noted	Issues	Resolution
Verify that all components have been included: • Two keys • USB drives • Thermal paper roll • Power cord Two ballot bags	☐	☐			
Verify that that no physical damage is evident on the voting station.	☐	☐			
Connect the power cord to the power supply and power on the voting station. Verify that the Log In screen appears after a few seconds.	☐	☐			

Criteria	Yes	No	Information noted	Issues	Resolution
Review the Power On report that prints to ensure that all aspects of the power-on diagnostics at the bottom of the tape are listed with a Yes. If the tape is not present or if any indications of test failure appear on the tape, stop this test and obtain assistance before proceeding. Do not remove the tape from the voting station.	☐	☐			
While the battery is charging, check that the three compartment doors (printer, scanner, rear) unlock, open, close and lock.	☐	☐			
Verify that the ballot box is intact and installs correctly.	☐	☐			
Attach the ballot bag to the two channels on the rear of the voting station.	☐	☐			
Raise the touchscreen into a vertical position. Log in as a system administrator and verify that the Load Election screen appears.	☐	☐			
Insert the two USB drives loaded with the demo election into the USB ports within the printer compartment. Verify that the demo election appears on the Load Election screen.	☐	☐			
Select the demo election and enter the password. Select the counter group, and the vote center. Verify that the election loads successfully.	☐	☐			

Criteria	Yes	No	Information noted	Issues	Resolution
On the Election Preparation screen, tap the Logic and Accuracy Testing button. On the Logic and Accuracy Test screen, tap the Display Zero Tape button. On the Totals Report screen, tap the Print button.	☐	☐			
Verify that a zero Totals report prints. Review the tape and verify that all results numbers are zero. Do not remove the report.	☐	☐			
When the Logic and Accuracy Test screen appears, tap the Start Test Voting button. Verify that the ballot insertion screen appears with the prompt “Insert ballot.” The voting station is now ready to accept ballots.	☐	☐			
Feed the test ballots into the voting station. Verify that an overvote message appears onscreen for every ballot with an overvote.	☐	☐			
Tap the **Return Ballot** button to retrieve the overvoted ballot and test the ballot reversal motor. Resubmit the ballot and tap the **Submit Ballot** button to cast the ballot.	☐	☐			
Ensure that the card counter increments for each card that enters the ballot bag.	☐	☐			
Verify that the battery status is either 100% or shows “Charging” on the touchscreen.	☐	☐			

Criteria	Yes	No	Information noted	Issues	Resolution
When the entire test deck has been processed, tap the top left corner of the screen to end ballot counting. The Logic and Accuracy Test screen reappears Tap the **Display Results** button. The Totals Report screen appears. Tap the **Print** button to print the report.	☐	☐			
Compare the results on the report to the expected results provided with the test deck. If they do not match, obtain assistance before proceeding.	☐	☐			
Tap the **Close** button on the Totals Report screen, and then tap the **End Test** button on the Logic and Accuracy Test screen. Tap the **Shut Down** button on the Election Preparation screen. Verify that the voting station shuts down.	☐	☐			
When the voting station has powered off, unlock the printer compartment door and remove the two USB drives. Insert one of the USB drives into a USB port on the ClearCount ScanServer and merge the results into the ClearCount system.	☐	☐			
Print the ClearCount Vote Centers report and verify that totals correspond to the ClearCast results report.	☐	☐			
If your voting system includes ClearAccess, tabulate some ballots printed using ClearAccess and voted in a predetermined pattern. Verify that the ballots are readable by the ClearCast voting station and the vote counts are correct.	☐	☐			

Criteria	Yes	No	Information noted	Issues	Resolution
If an external UPS is used, plug it into an electrical outlet for at least two hours to ensure it accepts a charge and can power the equipment while plugged in. Unplug the UPS to verify it still provides power.	☐	☐			
When the ClearCast voting station passes the acceptance test, affix a label to the back or underside of the chassis with the date of the test and the initials of the person who conducted the test. Label the components with asset tags per jurisdiction practices.	☐	☐			
Store the demo election USB drives and test ballots for further acceptance testing.	☐	☐			
Tear off and store all printed reports with this checklist.	☐	☐			

Demo election

Criteria	Yes	No	Information Noted	Issues	Resolution
Verify the ability to log in as Administrator.	☐	☐			
Verify the ability to load the demo election.	☐	☐			
Verify the ability to log in as Election Administrator.	☐	☐			
Verify the ability to print the Zero Totals report.	☐	☐			
Verify that report contents are correct.	☐	☐			
Verify that the paper spools properly.	☐	☐			
Verify the ability to scan test ballots.	☐	☐			
Verify that the required ballot return conditions function as expected.	☐	☐			
Verify the ability to print the Election Totals report.	☐	☐			
Verify that report text contents are correct.	☐	☐			
Verify that report tallies are correct.	☐	☐			

Test summary

	Notes
Physical damage	
Correctable parts	
Functional issues	

Test sign-off

Date _____

Printed name _____

Authorized signature _____

ClearCount acceptance test procedure

ClearCount product version _____

Software installation date _____

Technician _____

Acceptance Test date _____

ScanServer, scanner, and other hardware

Computer model _____

Computer serial scanner _____

Scanner serial number _____

Criteria	Yes	No	Information noted	Issues	Resolution
ScanServer—Inspection of the computer reveals no damage.	☐	☐			
Scanner— Inspection of the outer shell of the device reveals no damage. Easily accessed interior areas of the scanner appear clean and undamaged.	☐	☐			
All parts of the system are included and there is no damage (router, network cables, switch if applicable, external hard drive for election backup, battery backup/UPS).	☐	☐			

Election administration station and acceptance election

Computer model _____

Computer model _____

Browser and version _____

Test election name _____

Criteria	Yes	No	Information noted	Issues	Resolution
Election administration station					
Inspection of the computer reveals no damage					
Insert a USB drive into each USB port to verify they are accessible for transferring BDFs/CRFs/reports to and from election administration station.					
Verify that wireless and Bluetooth have been disabled. See "Disabling wireless and Bluetooth Internet access" in the ClearCount Election Preparation and Installation Guide.	☐	☐			
Log in to the ScanServer via the election administration station browser. Verify the ClearCount version.					
Acceptance election					
Create a test election with the BDFs provided.					

Criteria	Yes	No	Information noted	Issues	Resolution
From the election administration page, verify that the test election is active.	☐	☐			
From the election index menu, select the test election.					
From the Dashboard and Statement of Votes Cast report, verify zero totals.					

ScanStations

Computer model _____

Computer serial number _____

Operating system _____

ScandAll Pro version _____

TWAIN or Paperstream driver version _____

Check each item in the list below for each ScanStation.

Criteria	Yes	No	Information noted	Issues	Resolution
Inspection of the computer reveals no damage.	☐	☐			
Start up the ScanStation and verify the operating system version.					
Verify wireless has been disabled.					
Verify ScanStation has been hardened and user passwords are of sufficient complexity.					
Open ScandAll Pro and verify the version number of ScandAll Pro and the TWAIN or Paperstream driver (scanner must be connected).					
Start the Tabulator. Verify the election name, scanner model, scanner serial number and ClearCount software version.					

Criteria	Yes	No	Information noted	Issues	Resolution
Scan the test deck ballots preceded by a target card.					
Verify that all ballot images were saved to the ScanServer and close the Tabulator.					
Election administration					
Review that the election reports match the test deck pattern.					
Verify that the Statement of Votes Cast report can be exported as CSV to a USB device connected to the election administration station.					
Plug external drive into ScanServer.	☐	☐			
Back up the test election.					
Restore the election from the external hard drive.					
From the election index, select the restored test election.					
Review reports to verify that the election has been stored properly.					
Delete the test election.					

Criteria	Yes	No	Information noted	Issues	Resolution
ClearAccess, if used—Tabulate some ballots printed on that system and voted in a predetermined pattern. Verify that the ballots are readable by the ClearCount scanners and the vote counts are correct.	☐	☐			
UPS, if used—Plug it into an electrical outlet for at least two hours to verify that it accepts a charge and can power the equipment while plugged in. Unplug the UPS to verify that it still provides power.	☐	☐			
Security—Verify that ports and cables are secured with tamper-evident tape as appropriate, applied during this acceptance test, if not before.	☐	☐			
When the ClearCount system passes the acceptance test, affix a label to the back or underside of the ClearCount hardware with the date of the test and the initials of the person who conducted the test. Label the components with asset tags per local practices.	☐	☐			

Test summary

	Notes
Physical damage	
Correctable parts	
Functional issues	

Test sign-off

Date _____

Printed name _____

Authorized signature _____

ClearDesign acceptance test procedure

ClearDesign product version _____

Software installation date _____

Technician _____

Acceptance Test date _____

DesignServer computer model _____

DesignStation computer model _____

Operating systems

for DesignServer _____

for DesignStation _____

Criteria	Yes	No	Information noted	Issues	Resolution
DesignServer—Inspection of the computer reveals no damage, and computer is correct model.	☐	☐			
DesignStation—Inspection of the computer reveals no damage, and computer is correct model.	☐	☐			

Criteria	Yes	No	Information noted	Issues	Resolution
All system components are included and there is no damage: Power cords for computers Network switch Network cables Switch (if applicable) Battery backup/UPS (if applicable) Encrypted USB drives for election backup and media distribution are present.	☐	☐			
Power on the DesignServer and DesignStations and verify that the operating systems match approved models/versions.	☐	☐			
From the browser on the DesignStation, log in to the DesignServer. Verify that the correct ClearDesign version is displayed.	☐	☐			
Configure users and permissions as desired.	☐	☐			
Create a new election: Import jurisdictional data, manually					

Criteria	Yes	No	Information noted	Issues	Resolution
input the jurisdictional data, or restore an election.	☐	☐			
Verify that the election entities imported or restored correctly. Add any missing required data (e.g., ballot headers, ballot question text).	☐	☐			
Use the proofing reports to verify that the election data appears as desired. Generate ballots, review layouts. Lay out cards.	☐	☐			
Print ballot PDFs and save the PDF file to a USB drive or other designated location.	☐	☐			
Perform a backup of the election.	☐	☐			
Export an accessible definition file (ADF) and load it onto a USB drive. Install the files onto the ClearAccess voting station. (See the *ClearAccess Acceptance Test Procedure*.)	☐	☐			
Export a ballot definition file (BDF) and load it onto a USB drive. Install the files onto a ClearCount server by creating an election using an election administration station. (See					

Criteria	Yes	No	Information noted	Issues	Resolution
the *ClearCount Acceptance Test Procedure*.)	☐	☐			
Print the ballot PDFs and mark the ballots in a predetermined test pattern. Scan the ballots and verify they are correctly tabulated by ClearCount. (See the *ClearCount Acceptance Test Procedure*.)	☐	☐			
When the ClearDesign system passes the acceptance test, affix a label to the back or underside of the ClearDesign hardware with the test date and the initials of the person who conducted the test.	☐	☐			

Test summary

	Notes
Physical damage	
Correctable parts	
Functional issues	

Test sign-off

Date _____

Printed name _____

Authorized signature _____

	Contact Name	Jurisdiction Name	Contact Email	Contact Phone Number	# of Registered Voters	# of Precincts	Date of Implementation	Precinct Scanner Model	Firmware Version	# Purchased	High Speed Scanner Model	# Purchased	Firmware Version.	Software Version	Other
1	Kyle Rulli	Douglas County, CO	krulli@douglas.co.us	(303) 814-4393	233,294	155	2018	N/A	N/A	N/A	Fujistu fi-6800	6	VBM	v1.4.0	
2	Nathan Valdera	King County, WA	nathan.valderas@kingcounty.gov	(206) 477-4232	1,283,558	2,533	2017	N/A	N/A	N/A	ibml ImageTrac 6 Lite	2	VBM	v1.4.0	
3		King County, WA						N/A	N/A	N/A	ibml ImageTracDS 1210	7	VBM	v1.4.0	
4	Cheryl Betschart	Lane County, OR	cheryl.beschart@co.lane.or.us	(541) 682-4328	212,627	80	2016	N/A	N/A	N/A	Fujistu fi-6800	3	EAC	v1.4.0	
5	Tim Scott	Multnomah County, OR	tim.scott@multco.us	503-988-3720	454,754	113	2015	N/A	N/A	N/A	Fujistu fi-6800	6	EAC	v1.4.0	
6	Julie Anderson	Pierce County, WA	pcauditor@co.pierce.wa.us	253-798-3189	495,661	518	2017	N/A	N/A	N/A	Fujistu fi-6800	5	VBM	v1.3.3	
7	Jon Dolson	Sheboygan County, WI	jon.dolson@sheboygancounty.com	(920) 459-3003	61,732	64	2018	ClearCast 1.4	ClearCast Software 1.4 EAC	59	N/A	N/A	N/A	v1.4.0	
8	Carolyn Weikel	Snohomish County, WA	carolyn.weikel@snoco.org	425-388-3444	455,668	773	2018	N/A	N/A	N/A	Fujistu fi-6800	5	VBM	v1.4.0	
9	Mickie Kawai	Washington County, OR	mickie_kawai@co.washington.or.us	503-846-5822	297,340	143	2016	N/A	N/A	N/A	Fujistu fi-6800	4	EAC	v1.4.0	
10	Brenda Snipes	Broward County, FL (Audit)	bsnipes@browardsoe.org	(954) 712-1951	1,183,429	577	2015	N/A	N/A	N/A	Fujistu fi-6800	8	Audit	v 1.4.4	
11	Nikki Charlson	Maryland (Statewide Audit)	nikki.charlson@maryland.gov	(410) 269-2843	4,006,118	1991	2016	N/A	N/A	N/A	N/A	N/A	Audit	v 1.4.4	Ballot images are imported from voting machines and securely uploaded to Clear Ballot tabulation servers
12	Jim Condos	Vermont (Statewide Audit)	jim.condos@sec.state.vt.us	(802) 828-2148	471,619	255	2015	N/A	N/A	N/A	N/A	N/A	Audit	v 1.4.4	Clear Ballot uses company owned scanners to audit towns selected by Secretary of State's office on site